

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	"4664601"	US-PGPUB; USPAT	WITH	OFF	2009/08/26 16:00
L3	8	"5961291"	USPAT	OR	ON	2009/08/26 16:27
L4	8	"5961291"	US-PGPUB; USPAT	OR	ON	2009/08/26 16:28
L5	84245	vacuum adj pump	US-PGPUB; USPAT	OR	ON	2009/08/26 16:28
L6	1033	5 and control and forward near backward	US-PGPUB; USPAT	OR	ON	2009/08/26 16:28
L7	2102	5 and control and forward near (backward or reverse)	US-PGPUB; USPAT	OR	ON	2009/08/26 16:28
L8	1	5 and control and forward near (backward or reverse) with scrape	US-PGPUB; USPAT	OR	ON	2009/08/26 16:28
L9	0	("2009/0097984").URPN.	USPAT	OR	ON	2009/08/26 16:29
L10	3	5 and control and forward near (backward or reverse) with scrap\$3	US-PGPUB; USPAT	OR	ON	2009/08/26 16:30
L11	92	5 and control and forward near (backward or reverse) same start\$3	US-PGPUB; USPAT	OR	ON	2009/08/26 16:30
L12	26	5 and control same forward near (backward or reverse) same start\$3	US-PGPUB; USPAT	OR	ON	2009/08/26 16:31
L13	366	5 and control same forward near (backward or reverse)	US-PGPUB; USPAT	OR	ON	2009/08/26 16:31
L14	204	5 and control with forward near (backward or reverse)	US-PGPUB; USPAT	OR	ON	2009/08/26 16:31
L15	123	5 and control with forward near (backward or reverse) same motor	US-PGPUB; USPAT	OR	ON	2009/08/26 16:31
L16	154	5 and control\$3 with forward near (backward or reverse) same motor	US-PGPUB; USPAT	OR	ON	2009/08/26 16:32
L17	460	5 and (backward or reverse) near2 motor	US-PGPUB; USPAT	OR	ON	2009/08/26 16:33
L18	173	5 and (backward or reverse) near motor	US-PGPUB; USPAT	OR	ON	2009/08/26 16:33

L19	5	5 and (backward or reverse) near motor and "417".clas.	US-PGPUB; USPAT	OR	ON	2009/08/26 16:33
L20	873	417/44.1.ccls.	US-PGPUB; USPAT	OR	ON	2009/08/26 17:34
L21	78	417/27.ccls.	US-PGPUB; USPAT	OR	ON	2009/08/26 17:34
L22	1	8 and 5	US-PGPUB; USPAT	OR	ON	2009/08/26 17:34
L23	41	20 and 5	US-PGPUB; USPAT	OR	ON	2009/08/26 17:34
S1	8	"5961291"	USPAT	OR	OFF	2008/09/17 09:29
S2	0	GB2102072	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/09/17 09:31
S3	22	"2102072"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/09/17 09:32
S4	1	"10524688"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/09/17 12:47
S5	0	"10572511"	USPAT	OR	OFF	2008/09/23 11:07
S6	1	"10572511"	US-PGPUB; USPAT	OR	OFF	2008/09/23 11:07
S7	65287	"417".clas.	US-PGPUB; USPAT	OR	OFF	2008/09/23 15:15
S8	53	bushing with aid with rotation	US-PGPUB; USPAT	OR	OFF	2008/09/23 15:15
S9	177051	swing bushes	US-PGPUB; USPAT	OR	OFF	2008/09/23 15:23
S10	10	swing bushes	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:23
S11	4	variably controlled same rotary compressor	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:29
S12	10637	intermediate with high with pressure	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:38
S13	2387	oil with return with passage	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:38
S14	4	S12 same S13	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:38
S15	8231	oil adj passage	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:47
S16	10174	oil near passage	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:48
S17	17162	pressure adj chambers	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:48

S18	2	S16 near S17	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:48
S19	496	oil return passage	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:49
S20	9	S19 and rotary near compressor	US-PGPUB; USPAT	ADJ	OFF	2008/09/23 15:49
S21	0	In operation of the compressor, additional oil may be introduced at the air intake, possibly in the form of a "spray." The total volume of oil may be increased to the desired degree to assist in carrying away some of the heat produced since no provision is made for interstage "cooling." A suitable oil return passage (not shown) is provided to return oil collecting inside rear pan "220" to the interior of compartment "160" for readmission into the first stage	US-PGPUB; USPAT	AND	OFF	2008/09/23 15:52
S22	0	In operation of the compressor additional oil may be introduced at the air intake	US-PGPUB; USPAT	SAME	OFF	2008/09/23 15:52
S23	0	operation of the compressor additional oil may be introduced at the air intake	US-PGPUB; USPAT	SAME	OFF	2008/09/23 15:52
S24	2	operation compressor additional oil introduced air intake	US-PGPUB; USPAT	SAME	OFF	2008/09/23 15:52
S25	3	"6077058"	US-PGPUB; USPAT	SAME	OFF	2008/09/23 16:17
S26	1	"10572511"	US-PGPUB; USPAT	SAME	OFF	2008/09/23 17:06
S27	2	"11345794"	US-PGPUB; USPAT	SAME	OFF	2008/09/24 08:13
S28	22	"4664601"	US-PGPUB; USPAT	WITH	OFF	2009/04/07 13:18
S29	22	"2102072"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2009/04/07 13:19

S30	28	("3890063"   "4068980"   "4135860"   "4219312"   "4225288"   "4492526"   "4511312"   "4518316"). PN. OR ("4664601"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 13:20
S31	28	("3890063"   "4068980"   "4135860"   "4219312"   "4225288"   "4492526"   "4511312"   "4518316"). PN. OR ("4664601"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 13:20
S32	17	("4664601"   "4767284"   "4770615"   "4984974"   "5246349"   "5263832"   "5295798"   "5401149"   "5454700"   "5674063"   "5836754"   "5910001"   "5938420"   "6371744"   "6422844"   "6461112"   "6652250").PN. OR ("6948915").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/07 13:21
S33	8	"5961291"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 10:28
S34	22	"4664601"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 10:42
S35	1159	417/44.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:14
S36	1	S35 and rotors near reverse	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:14
S37	3	S35 and rotors with reverse	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:15
S38	4	"417".clas. and rotors near reverse	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:15
S39	22	"4664601"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:26
S40	28	("3890063"   "4068980"   "4135860"   "4219312"   "4225288"   "4492526"   "4511312"   "4518316"). PN. OR ("4664601"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:28
S41	343	vane near rotary near compressor	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:29
S42	78	S41 and "417".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:29
S43	92754	vacuum adj pump	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:34
S44	1541	S43 and rotors	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:34

S45	321	S44 and reverse	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:34
S46	27	S44 and reverse with (spin or rotate)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:34
S47	5	("4718833").PN. OR ("5314312").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:38
S48	5	("4718833").PN. OR ("5314312").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:39
S49	12	("4293290"   "4621994"   "4846641"   "5295798"   "5314312"   "5329216"   "5354179"   "5779453"). PN. OR ("5904473"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:39
S50	25	("2640428"   "3811805"   "4152092"   "4712048"   "4758132"   "4797068"   "4808077"   "4850806"   "5062771"   "Re17689"). PN. OR ("5295798"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:40
S51	343	vane rotary compressor	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/04/08 11:43
S52	41	S51 and rotors	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/04/08 11:43
S53	3	rotors change direction	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/04/08 11:47
S54	3812235	vacuum adj pump rotors direction	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:47
S55	2	vacuum adj pump and rotors same ((change or switch) near direction)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:48
S56	2	vacuum adj pump and rotors same (change near direction)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:49
S57	95	pump and rotors same (change near direction)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:49
S58	114	rotors with (change near direction)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:50
S59	8	"5961291"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:55
S60	13	("4144986"   "4944748"   "5110264"   "5380171"   "5501583"   "5823261"). PN. OR ("5961291"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 11:55
S61	22	"4664601"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/08 13:26

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